

U.S.S.N. 10/605,475

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137276MG (GEMS 0220 PA)

**In the specification:**

Please amend the specification as follows:

**[0023]** The first housing 40 includes a RF shield 48, as is best seen in Figure 3. The RF shield 48 is coupled within the first housing 40 and fully encases the supporting electronics 42. By fully encasing the supporting electronics 42, the RF shield 48 isolates the support electronics 42 from the RF receiver coil 30. Isolation of the support electronics 42 allows the close proximity of the electronics 42 with the magnet structure 13. The RF shield 48 may be in the form of a superconductor.